

EFT-BATTERY-450

The New Standard for
UAV Batteries



Description:

The EFT-Battery-450 is a fully certified and industrialized battery platform for advanced **UAV applications**. The NATO based supplychain makes this battery fully NDAA compliant. The battery delivers exceptional energy density at 290 Wh/kg enabling extended flight times and increased payload capacity for demanding aerial tasks.

Features:

- **BMS:** Cell Balancing, Temperature Sensing, SOC, SOH, MOSFET Switches
- **Heating Foil:** Preheating from -10 °C to +10 °C in 10 min

Compliance:

- UN38.3/CE
- NDAA

Application:

- UAVs: Battery-Electric, under 10 kg

EFT-BATTERY-450

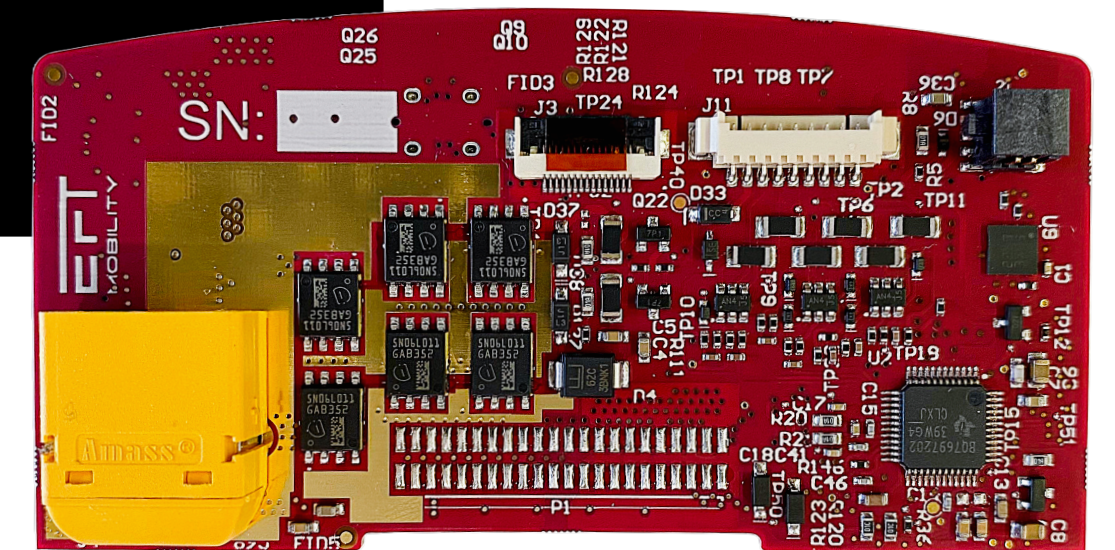
Dimension: 211x 125 x 72.5 mm



Specifications:

	Min	Typical	Max	Unit
Configuration		6S2P		
Cells		Amprius SA08		
Nominal Capacity		21.6		Ah
Weight		1.56		kg
Pack Voltage	15.6		25.2	V
Energy		450.8		Wh
Energy Density		290		Wh/kg
Temperature	-20		75	°C
Cycle Life			500	
Max Charge		3C cont		
Max Discharge		108A cont (5C) 172A peak (30s) (8C)		

EFT-BMS-14



The EFT-BMS-14 (Battery Management System) is designed as a modular BMS platform that monitors and controls our UAV battery packs. It includes all relevant monitoring functions as well as control functionality.

Configuration:

- 6 - 14 S

Voltage:

- 15 - 60 V

Sensors:

- Temperature
- Current
- Voltage

Operating Temperature:

- -30 to +80 °C

Weight:

- 30 g

Communication Protocols:

- UART
- CAN 2.0
- DroneCAN

Functions:

- SoC (State of Charge)
- SoH (State of Health)
- SoP (State of Power)
- Heating Foil Control
- Integrated MOSFETs
- Data Logging on EEPROM
- Update via USB C
- LED SoC Indicator